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**From:** Tonnesen, Gail [Tonnesen.Gail@epa.gov]  
**Sent:** 1/30/2014 9:46:39 PM  
**To:** Reddy - CDPHE, Patrick [patrick.reddy@state.co.us]; Duncan, Bryan N. (GSFC-6140) [bryan.n.duncan@nasa.gov]; yasuko.yoshida-1@nasa.gov  
**CC:** Payton, Richard [Payton.Richard@epa.gov]  
**Subject:** rural ozone data in the 3 state area  
**Attachments:** state\_monitoring\_meeting\_2013\_DRAFT.pptx

Bryan,

Slide 4 of the attached PPT shows new rural ozone monitors added as part of the 3SAQS study. I think data from all of these monitors are available in [www.airnow.gov](http://www.airnow.gov). We have pretty good sampling in rural areas in 2011-2013. There is also forest service 2B Tech ozone data, some of which is not reliable but is in AQS. For your proposal, you can say that 3SAQS ozone data is available for the model evaluation, and we can sort out later which of the additional 2B Tech data might be useful.

Gail

----- Forwarded message -----

**From:** Reddy - CDPHE, Patrick <patrick.reddy@state.co.us>  
**Date:** Wed, Jan 29, 2014 at 2:07 PM  
**Subject:** Re: Colorado ozone observations  
**To:** "Duncan, Bryan N. (GSFC-6140)" <bryan.n.duncan@nasa.gov>  
**Cc:** "Yoshida, Yasuko (GSFC-614.0)[SCIENCE SYSTEMS AND APPLICATIONS INC]" <yasuko.yoshida-1@nasa.gov>, "Chuck.Machovec@state.co.us" <Chuck.Machovec@state.co.us>

Hi Bryan,

I have been getting many requests for data and analyses this week and haven't had a chance to reply to your earlier e-mail. I hope to get to it soon. I have attached a file with the daily max 8-hour O3 for 2012 for Colorado. I generated this file at the following EPA website:

[http://www.epa.gov/airdata/ad\\_data\\_daily.html](http://www.epa.gov/airdata/ad_data_daily.html)

Hourly ozone data for the whole country by year can be found here at the bottom of the page:

<http://www.epa.gov/ttn/airs/airsaqs/detaildata/downloadaqdata.htm>

I think these EPA files include the CASTNET and NPS sites in the mountains, if not go here:

<http://java.epa.gov/castnet/clearsession.do>

and:

<http://www.nature.nps.gov/air/monitoring/network.cfm#data>

April 6 2012 had an intrusion in Colorado that was a bit too weak for us to write up. May 24 saw a major intrusion described here:

[http://www.colorado.gov/airquality/tech\\_doc\\_repository.aspx?action=open&file=TSD\\_O3\\_Intrusion\\_Event\\_052410.pdf](http://www.colorado.gov/airquality/tech_doc_repository.aspx?action=open&file=TSD_O3_Intrusion_Event_052410.pdf)

Regards,

On Wed, Jan 29, 2014 at 11:21 AM, Duncan, Bryan N. (GSFC-6140) <[bryan.n.duncan@nasa.gov](mailto:bryan.n.duncan@nasa.gov)> wrote:

Hi Patrick,

Can you point me to AQS ozone observations in Colorado in April 2012? We've done a simulation of a stratospheric intrusion that occurred around April 6<sup>th</sup>. We'd like to use the data to verify the model's concentration, location of the intrusion, timing, etc.

Better yet, we'd like data for the mountainous states for the last 5-10 years as we've also simulated a 2009 intrusion as well.

I've cc'ed Yasuko who will do the comparison.

Thanks, Bryan

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Bryan N. Duncan

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Patrick J. Reddy

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Technical Services Program

Air Pollution Control Division

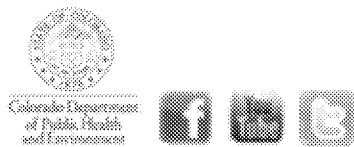
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